

Program:

Wednesday, March 23rd, 2011

11:00 *Check in*

13:00 - 13:15 Opening remarks Elisabeth Knust (GfE); Kiyokazu Agata (JSDB)

Organogenesis and morphogenesis

Chair: Achim Gossler, Hiroyuki Takeda

13:15 - 13:45	Stefan Schulte-Merker	Lymphangiogenesis in fish, mice and humans
13:45 - 14:15	Salim Seyfried	Morphogenetic signaling networks in the control of L/R asymmetric cardiogenesis
14:15 - 14:30	Christian Klein	Neuron navigator-3a mediates hepatoblast movement during early liver organogenesis
14:30 - 14:45	Noriaki Sasai	Spatial and temporal regulation of vertebrate neural tube patterning by Sonic Hedgehog
14:45 - 15:15	Kate Storey	Mechanisms regulating neural differentiation progression
15:15 - 16:00	<i>Break</i>	
16:00 - 16:30	Ichiro Nishii	Tracing evolutionary steps of morphogenesis from Chlamydomonas to Volvox
16:30 - 17:00	Olivier Pourquie	Patterning the vertebrate axis
17:00 - 17:15	Viktoriya Halacheva	Complex planar cell movement and oriented cell division build the early primitive streak in the mammalian embryo
17:15 - 17:30	Masanari Takamiya	Zebrafish cornea as a human model: transcriptome analysis and visualization of the development
17:30 - 18:00	Naoto Ueno	Cellular mechanism of neural tube closure
18:00	<i>Welcome reception and poster session I</i>	Presentation of posters with uneven numbers

II

Thursday, March 24th, 2010

Patterning

Chair: Jochen Wittbrodt, Kumimasa Ohta

09:00 - 09:30	Yasushi Hiromi	Intra-axonal patterning
09:30 - 10:00	Yoshiki Sasai	Self-organization of neural patterns and structures in 3D culture of ES cells
10:00 - 10:15	Monika Hassel	Overexpression of Hydra FGFR induces autotomy of the body column
10:15 - 10:30	Thomas Thumberger	Serotonin signaling is required for Wnt-dependent development of the ciliated GRP and leftward flow in <i>Xenopus</i>
10:30 - 11:00	<i>Break</i>	
11:00 - 11:30	Shigeru Kuratani	Developmental and embryological bases for vertebrate evolutionary novelties
11:30 - 12:00	Martin Hülskamp	Trichome patterning in <i>Arabidopsis</i> : Strategies towards theoretical modelling
12:00 - 12:15	Stephan Wenkel	Role of patterning factors in regulating adaptive development in plants
12:15	<i>GfE-Mitgliederversammlung</i>	

Germ line, asymmetric cell division and signalling

Chair: Christian Eckmann, Kazuya Kobayashi

14:00 - 14:30	Geraldine Seydoux	Breaking symmetry: polarization of the <i>C. elegans</i> zygote
14:30 - 15:00	David Greenstein	Signaling for sex in <i>C. elegans</i>
15:00 - 15:15	Kazuya Hashiyama	Sex lethal acts autonomously in the primordial germ cells to initiate female fate in <i>Drosophila</i>
15:15 - 15:30	Hirotao Tao	Nuclear localization of Prickle2 is required for the establishment of cell polarity during early mouse embryogenesis
15:30 - 16:15	<i>Break</i>	
16:15 - 16:45	Gertrud Schüpbach	EGF receptor activation and follicle cell differentiation in <i>Drosophila</i>
16:45 - 17:00	Daiki Umetsu	Mechanical tension guides cell sorting at the anteroposterior compartment boundary in <i>Drosophila</i>
17:00 - 17:15	Ryuji Minasaki	Regulation of cytoplasmic polyadenylation complexes in early female meiotic germ cells

17:15 - 17:30	Edgar Pera	How morphogen gradients form - of FGF signals, a secreted serine protease, and a feedback-regulated protease inhibitor
17:30 - 18:00	Dorette Breitkreuz	DFG funding and support for individual scientists - presentation and question time Panel: Dorette Breitkreuz, Achim Gossler, Christian Klämbt, Jochen Wittbrodt
18:00 - 20:00	<i>Poster session II</i>	Presentation of posters with even numbers
20:00 - 20:30	Asako Sugimoto	Coordination of two microtubule assembly pathways in the formation of mitotic spindles in <i>C. elegans</i> embryos
20:30 - 21:00	Haruhiko Siomi	A link between RNA silencing and germline development in <i>Drosophila</i>

Friday, March 25th, 2010

Asymmetric cell division and patterning

Chair: Christian Klämbt, Takaki Miyata

09:00 - 09:30	Nancy Papalopulu	A dynamic balance of microtubule and actomyosin forces controls spindle positioning in polarised epithelial cells
09:30 - 10:00	Jon Clarke	Cell biology of lumen formation in the zebrafish neural rod
10:00 - 10:30	Barbara Conradt	Control of apoptosis by asymmetric cell division
10:30 - 10:45	Heiko Lickert	Evolutionary diversification of the Discs large family in apical-basal polarity formation
10:45 - 11:00	Michael Krahn	Identification of new functions of PATJ in epithelial polarization
11:00 - 11:30	<i>Break</i>	
11:30 - 12:00	Angela Nieto	The definition of vertebrate embryonic territories by a set of transcription factors
12:00 - 12:30	Yumiko Saga	Mechanism of somite segmentation
12:30 - 12:45	Gregor Bucher	Patterning of the anterior non-segmented part of the insect head
12:45 - 13:00	Pavel Tomancak	Gene expression divergence recapitulates the developmental hourglass
13:00 - 14:00	<i>Lunch</i>	

Regeneration and stem cells

Chair: Michael Brand, Koji Tamura

14:00 - 14:30	Sumihare Noji	Regulation of leg size and shape: involvement of the Dachshous-Fat signaling pathway
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IV

14:30 - 15:00	Jeremy Brockes	The nerve dependence of vertebrate limb regeneration
15:00 - 15:30	Brigitte Galliot	Cell death as a driving force for regeneration
15:30 - 15:45	Akira Satoh	A new study model called ALM reveals mechanisms of axolotl limb regeneration
15:45 - 16:00	Christian Bökel	Imaging BMP receptor activation at an adherens junction associated stem cell niche synapse
16:00 - 16:45	<i>Break</i>	
16:45 - 17:15	Phil Newmark	Intestinal renewal and regeneration in the planarian <i>Schmidtea mediterranea</i>
17:15 - 17:45	Rüdiger Simon	Patterning of plant stem cell niches: signal and receptor dynamics
17:45 - 18:00	Franziska Knopf	Bone regenerates via dedifferentiation of osteoblasts in the zebrafish fin
19:00	<i>Conference party</i>	Augustiner an der Frauenkirche

Saturday, March 26th, 2010

Epigenetics, stem cells and regeneration

Chair: Elly Tanaka, Kiyokazu Agata

09:00 - 09:30	Renato Paro	Signaling and epigenetic reprogramming during tissue regeneration
09:30 - 10:00	Ueli Grossniklaus	Epigenetic regulation of reproduction in <i>Arabidopsis</i>
10:00 - 10:15	Nicola Blum	Retinoic acid signaling controls blastema formation, maintenance and differentiation of blastema cells during adult zebrafish fin regeneration
10:15 - 10:30		GfE-Doktorandenpreis
10:30 - 11:00	<i>Break</i>	
11:00 - 11:30	Barbara Meyer	Carl Zeiss Lecture: Sex-specific control of X-chromosome-wide gene regulation
11:30 - 12:00	Noriko Funayama	The stem cell system in demosponges: suggested involvement of two types of cells, archeocytes (active stem cells) and choanocytes (food-entrapping cells)
12:00 - 12:30	Min Han	Systematic analysis of miRNA-target interactions under developmental and other physiological conditions in <i>C. elegans</i>
12:30	<i>End of meeting</i>	